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1 **The Factory Pattern in API Design: A Usability Evaluation**
Brian Ellis, Jeffrey Stylos, Brad Myers
May 2007 I CSE '07: Proceedings of the 29th international conference on Software Engineering
Publisher: IEEE Computer Society
Full text available: 🗎 Pdf (529.35 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 238, Citation Count: 0

The usability of software APIs is an important and infrequently researched topic. A user study comparing the usability of the factory pattern and constructors in API designs found highly significant results indicating that factories are detrimental to ...

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2 **An adaptive, fast, and safe XML parser based on byte sequences memorization**
Toshiro Takase, Hisashi MIYASHITA, Toyotaro Suzumura, Michiaki Tatsubori
May 2005 WWW '05: Proceedings of the 14th international conference on World Wide Web
Publisher: ACM
Full text available: 🗎 Pdf (274.39 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 86, Citation Count: 4

XML (Extensible Markup Language) processing can incur significant runtime overhead in XML-based infrastructural middleware such as Web service application servers. This paper proposes a novel mechanism for efficiently processing similar XML documents. ...

Keywords: SAX, XML parsers, automata

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3 **Library composition and adaptation using c++ concepts**
Jaakko Järvi, Matthew A. Marcus, Jacob N. Smith
October 2007 GPCE '07: Proceedings of the 6th international conference on Generative programming and component engineering
Publisher: ACM
Full text available: 🗎 Pdf (176.45 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 186, Citation Count: 1

Large scale software is composed of libraries produced by different entities. Non-intrusive and efficient mechanisms for adapting data structures from one library to conform to APIs of another are essential for the success of large software projects. ...

Keywords: C++, generic programming, polymorphism, software libraries

4 A framework of a server with API and its implementation

Haiyi Zhang

January 2004 WISICT '04: Proceedings of the winter international synposium on
Information and communication technologies

Publisher: Trinity College Dublin

Full text available: Pdf (100.32 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 14, Citation Count: 0

On the basis of analyzing and comparing NSAPI, ISAPI and Apache API, this paper gives
a framework of a server with API, which supports the dynamic configuration of external
modules, database publishing and other common services that a server should
provide ...

Keywords: WWW Database Publishing Client/Server Database Connectivity

5 Y!Q: contextual search at the point of inspiration

Reiner Kraft, Farzin Maghoul, Chi Chao Chang

October 2005 CIKM '05: Proceedings of the 14th ACM international conference on
Information and knowledge management

Publisher: ACM

Full text available: Pdf (370.43 KB) Additional Information: full citation, abstract, references, cited by, index
terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 92, Citation Count: 5

Contextual search tries to better capture a user's information need by augmenting the
user's query with contextual information extracted from the search context (for
example, terms from the web page the user is currently reading or a file the user is ...

Keywords: Web information retrieval, content analysis, context, contextual search,
search personalization, semantic networks

6 Context-sensitive electronic dictionaries

Gábor Prószéky, Balázs Kis

August 2002 Proceedings of the 19th international conference on Computational
linguistics - Volume 2, Volume 2

Publisher: Association for Computational Linguistics

Full text available: Pdf (64.18 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 11, Citation Count: 0

This paper introduces a context-sensitive electronic dictionary that provides translations
for any piece of text displayed on a computer screen, without requiring user interaction.
This is achieved through a process of three phases: text acquisition ...

7 Automatic documentation inference for exceptions

Raymond P.L. Buse, Westley R. Weimer

July 2008 ISSTA '08: Proceedings of the 2008 international symposium on Software
testing and analysis

Publisher: ACM

Full text available: Pdf (348.06 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 19, Citation Count: 0

Exception handling is a powerful and widely-used programming language abstraction for
constructing robust software systems. Unfortunately, it introduces an inter-procedural
flow of control that can be difficult to reason about. Failure to do so correctly ...

Keywords: documentation inference, exception handling, software documentation

8   Comparison of network protocol and architecture for distributed virtual simulation environment
Bu-Sung Lee, Wen-Tong Cai, Stephen J. Turner, Jit-Beng Koh
July 2001 ACM SIGOPS Operating Systems Review, Volume 35 Issue 3
Publisher: ACM
Full text available: Pdf (688.63 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 37, Citation Count: 0

In any distributed virtual simulation environment, the underlying network architecture and its protocols play an important part in its performance. This paper describes the different underlying protocols used in the support of the RTI implementation ...

Keywords: DIS, FDK, HLA, RTI, RTI-Kit, fast messages, light weight reliable multicast

9   Search engines and their public interfaces: which apis are the most synchronized?
Frank McCown, Michael L. Nelson
May 2007 WWW '07: Proceedings of the 16th international conference on World Wide Web
Publisher: ACM
Full text available: Pdf (151.33 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 68, Citation Count: 0

Researchers of commercial search engines often collect datausing the application programming interface (API) or by"scraping" results from the web user interface (WUI), butanecdotal evidence suggests the interfaces produce differentresults. We provide ...

Keywords: API, search engine

10 Proceedings of the the the 6th joint meeting of the European software engineering conference and the ACM SIGSOFT symposium on The foundations of software engineering
Ivica Crnkovic, Antonia Bertolino
September 2007 proceeding
Publisher: ACM
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

After more than two years preparation and thanks to the work of a team of more than 60 people (not counting authors and external reviewers), the day has arrived and we are thrilled to welcome you to ESEC/FSE'07, the *6th joint meeting of the European* ...

11 Usability Implications of Requiring Parameters in Objects' Constructors
Jeffrey Stylos, Steven Clarke
May 2007 ICSE '07: Proceedings of the 29th international conference on Software Engineering
Publisher: IEEE Computer Society
Full text available: Pdf (914.27 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 98, Citation Count: 1

The usability of APIs is increasingly important to programmer productivity. Based on experience with usability studies of specific APIs, techniques were explored for studying the usability of design choices common to many APIs. A comparative study was ...

12 Agreeing to disagree: search engines and their public interfaces

Frank McCown, Michael L. Nelson

June 2007 JCDL '07: Proceedings of the 7th ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM

Full text available: Pdf (308.76 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 19, Downloads (12 Months): 252, Citation Count: 2

Google, Yahoo and MSN all provide both web user interfaces (WUIs) and application programming interfaces (APIs) to their collections. Whether building collections of resources or studying the search engines themselves, the search engines request that ...

Keywords: API, distance measurement, search engine interfaces, search engine results

13 Platform-independent accessibility API: accessible document object model

Andres Gonzalez, Loretta Guarino Reid

May 2005 W4A '05: Proceedings of the 2005 International Cross-Disciplinary Workshop on Web Accessibility (W4A)

Publisher: ACM

Full text available: Pdf (167.73 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 75, Citation Count: 0

This paper addresses the problem of supporting accessibility in applications that run in multiple operating environments. It analyzes the commonalities of existing platform-specific Accessibility APIs, and defines a platform-independent accessibility ...

Keywords: W3C DOM, accessibility API

14 PRIME----toward process-integrated modeling environments: 1

Klaus Pohl, Klaus Weidenhaupt, Ralf Dömges, Peter Haumer, Matthias Jarke, Ralf Klamma

October 1999 ACM Transactions on Software Engineering and Methodology (TOSEM), Volume 8 Issue 4

Publisher: ACM

Full text available: Pdf (1.15 MB) Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 103, Citation Count: 2

Research in process-centered environments (PCEs) has focused on project management support and has neglected method guidance for the engineers performing the (software) engineering process. It has been dominated by the search for suitable process-modeling ...

Keywords: PRIME, method guidance, process modeling, process-centered environments, process-integrated environments, process-sensitive tools, tool integration, tool modeling

15 Learning to crawl: Comparing classification schemes

Gautam Pant, Padmini Srinivasan

October 2005 ACM Transactions on Information Systems (TOIS), Volume 23 Issue 4

Publisher: ACM

Full text available: Pdf (940.75 KB) Additional Information: full citation, abstract, references, index terms, review

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 206, Citation Count: 1

Topical crawling is a young and creative area of research that holds the promise of benefiting from several sophisticated data mining techniques. The use of classification

algorithms to guide topical crawlers has been sporadically suggested in the literature. ...

Keywords: Topical crawlers, classifiers, focused crawlers, machine learning

16 Tracy: a debugger and system analyzer for cross-platform graphics development
Sami Kyöstilä, Kari J. Kangas, Kari Pulli
June 2008 GH '08: Proceedings of the 23rd ACM SIGGRAPH/EUROGRAPHICS symposium
      on Graphics hardware
Publisher: Eurographics Association
Full text available: Pdf (275.93 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 1, Citation Count: 0

We describe Tracy, an offline graphics debugging and system analysis toolkit for cross-platform system and application development in mobile graphics. Tracy operates by recording graphics function calls and argument data of unmodified applications into ...

17 OpenXUP: an alternative approach to developing highly interactive web
   applications
Jin Yu, Boualem Benatallah, Fabio Casati, Regis Saint-Paul
July 2006 ICWE '06: Proceedings of the 6th international conference on Web engineering
Publisher: ACM
Full text available: Pdf (412.92 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 142, Citation Count: 0

There is an increasing demand in making web user interfaces richer and more interactive. Currently, there are two approaches aiming at improving web user interfaces. First, downloaded code in form of Java Applet or ActiveX can be executed in browsers. ...

Keywords: framework, protocol, soap, thin client, toolkit, user interface, web services, xml

18 Proceedings of the 2nd international workshop on Systems development in SOA
   environments
Kostas Kontogiannis, Grace A. Lewis, Marin Litoiu, Dennis B. Smith
May 2008 proceeding
Publisher: ACM
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to the *2nd International Workshop on Systems Development in SOA Environments -- SDSOA 2008*. The overall goal of this workshop is to provide a forum for a concerted effort to develop a long-term community-wide research agenda for the successful ...

19 Proceedings of the 2nd international workshop on Ultra-large-scale software-
   intensive systems
Kevin Sullivan, Rick Kazman
May 2008 proceeding
Publisher: ACM
Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

It is our great pleasure to welcome you to the *2nd International Workshop on Ultra-*

Large-Scale Software-Intensive Systems -- ULSSIS'08. This year's workshop continues to provide a forum for the software engineering research community to come together ...

20 Proceedings of the 3rd international workshop on Automation of software test
    Hong Zhu, W. Eric Wong, Fevzi Belli
    May 2008 proceeding
    Publisher: ACM
    Additional Information: full citation, abstract

    Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

    Welcome to AST 2008 -- The Third International Workshop on Automation of Software Test which is to be held in conjunction with The 30th International Conference on Software Engineering (ICSE.08) in Leipzig, Germany on May 11, 2008. In software development ...

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